

REMARKS

Claims 1, 47, and 86 have been amended. Claims 11–12, 15–46, 48 and 57–85 have been canceled without prejudice or disclaimer. Claims 1–10, 13–14, 47, 49–56 and 86 are now pending. Applicant respectfully requests reconsideration and allowance of the application.

Drawings

The Office Action has objected to the drawings because not all elements in Figure 2 have reference numbers. Applicants have corrected the drawings in Figure 2 as shown in the attached replacement drawings.

Claim Objections

The Office Action objects to claims 41, 81 and 85 due to various informalities. Claims 41, 81 and 85 have been canceled and therefore the rejections as to these claims are now moot.

Rejection under 35 U.S.C. 101

The Office Action rejects Claims 15–28, 57–66, and 86 as being directed to non-statutory subject matter. The Office Action indicates that “the claims are directed to a ‘program product’ not embodied in a tangible medium. This is considered descriptive material which is non-statutory.” *See*, Office Action, Page 3. Claims 77–85 have been rejected because “data structures are considered non-functional descriptive material.” *See*, Office Action, Page 3–4. Applicants have canceled Claims 15–28, and 57–66, and 77–85, and therefore the rejections as to these claims are moot. Claim 86 has been amended to claim a computer readable medium. Therefore, Applicants request that the rejection as to claim 86 be withdrawn.

Rejection under 35 U.S.C. 102

Claims 1-4, 14-18, 28-34 and 46 have been rejected under 35 U.S.C. 102 as being anticipated by US Patent No. 7,130,614 ("Sreemanthula"). Claims 77-86 has been rejected under 35 U.S.C. 102 as being anticipated by US Patent No. 7,155,500 ("Nickander"). Claims 11-12, 15-46, 48 and 57-85 have been canceled and therefore rejections as to these claims are now moot. As to Claim 1-4, and 14, Applicant respectfully submits that the claims, as amended, are patentable over the cited references.

Sreemanthula does not disclose a secure router advertisement that includes a nonce field populated with a home address of the mobile node. Sreemanthula is a system for reducing IP level signaling and radio resource load during the attachment or update of a mobile unit to a cellular wireless communication network. *See*, Sreemanthula Abstract. In Sreemanthula, an identification element is transmitted from the mobile unit to one of the access network elements. The identification element indicates a current attachment of the mobile unit, not the home address of the mobile unit as claimed in claim 1. In addition, the identification element is not placed in the nonce field as in the present application. As amended, claim 1 recites attaching a secure router advertisement to an address update associated with a mobile node, wherein the secure router advertisement includes a nonce field populated with a home address of the mobile node. As such, Sreemanthula does not teach a secure router advertisement that includes a nonce field populated with a home address of the mobile node. For at least the above-identified reason, Applicant respectfully submits that claim 1 is patentable over Sreemanthula, and is allowable. Given that claims 2-10, 13 and 14 depend from claim 1, are also allowable for at least the same reasons.

Rejection under 35 U.S.C. 103

Claims 5, 6, 12, 19, 20 and 26, 35–38 and 44 have been rejected under 35 U.S.C. 103 as being unpatentable over Sreemanthula in view of US Patent No. 6,970,459 (“Meier”). Claims 7–11, 13, 21–25, 27, 39–43 and 45 are rejected under 35 USC 103 as being unpatentable over Sreemanthula in further view of Nickander. Claims 47–56, 67–76 are rejected under 35 USC 103 as being unpatentable over Sreemanthula in further view of Nickander. Claims 11–12, 15–46, 48 and 57–85 have been canceled and therefore rejections as to these claims are now moot. As to Claims 5, 6, 7, 13, and 47, 49–56, Applicant respectfully submits that the claims, as amended, are patentable over the cited references.

As discussed previously, Sreemanthula does not disclose a secure router advertisement that includes a nonce field populated with a home address of the mobile node. Furthermore, Nickander does not teach a purported identifier of the mobile node being included in the nonce field of the secure router advertisement. Nickander is concerned with verifying that a host coupled to an IP network is authorized to use an IP address which the host claims to own, the IP address comprising a routing prefix and an interface identifier part. However, Nickander fails to disclose that a home address of the mobile node is stored in a nonce field of a secure router advertisement. For at least the above-identified reason, Applicant respectfully submits that claim 1 and 47 are patentable over Sreemanthula in view of Nickander, and are allowable. Given that claims 6, 7, 13, and 49–56, depend from claim 1 and 47 respectively, claims 6, 7, 13, and 49–56, are also allowable for at least the same reasons.

Conclusion

In view of the above amendment and remarks it is submitted that the claims are patentably distinct over the cited references and that all the rejections to the claims have been overcome. Reconsideration of the above Application is requested. Based on the foregoing, Applicants respectfully requests that the pending claims be allowed, and that a timely Notice of Allowance be issued in this case. If the Examiner believes, after this response, that the application is not in condition for allowance, the Examiner is requested to call the Applicant's attorney at the telephone number listed below.

PATENT

Applicants hereby request any necessary extension of time. If there is a fee occasioned by this response, including an extension fee that is not covered by the enclosed fee transmittal, please charge any deficiency to Deposit Account No. 50-0463.

Respectfully submitted,
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